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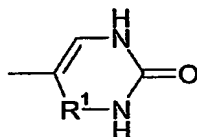
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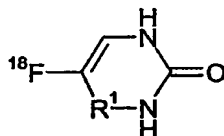
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(54) Title: SOLID-PHASE FLUORINATION OF URACIL AND CYTOSINE



(A)



(II)

(57) **Abstract:** The invention relates to a process for the production of an ¹⁸F-labelled tracer which comprises treatment of a solid support-bound precursor of formula (I): SOLID SUPPORT-LINKER-I⁺-TRACER (I) Y⁻ wherein the TRACER is of formula (A): or an amine protected derivative thereof, wherein Y⁻ is an anion, preferably trifluoromethylsulphonate (triflate) anion; and R¹ is either (i) a group CH-NP^{1A}P^{2A} in which P^{1A} and P^{2A} are each independently hydrogen or a protecting group, or (ii) a carbonyl group; with ¹⁸F⁻ to produce the labelled tracer of formula (II) or an amine protected derivative thereof, wherein R¹ is as defined for the compound of formula (I).

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